



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - DECEMBER 2023



Lab Name: SRI ABIRAMI CLINICAL LABORATORY Lab No: 2080
 Constituent Group: Chemistry I Date of Result Entered: 08/12/2023
 PT Item: Lyophilized human serum based Date of Report Published: 02/01/2024

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|--|--------------------|--------|--------------|------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | Hexokinase | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 276 | 202.30 | 3.51 | 7.11 | 204 mg/dL | 0.24 | 0.86 |
| 2 | UREA | Urease UV / GLDH | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 290 | 109.66 | 5.04 | 5.52 | 106.1 mg/dL | -0.64 | 0.65 |
| 3 | CREATININE | Jaffes Kinetic - Alkaline picrate | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 254 | 7.76 | 4.73 | 0.37 | 7.2 mg/dL | -1.53 | 0.05 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 290 | 1.90 | 5.58 | 0.11 | 2 mg/dL | 0.94 | 0.01 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 295 | 5.07 | 3.89 | 0.20 | 5 g/dL | -0.36 | 0.02 |
| 6 | ALBUMIN | BCP - Bromocresol purple (colorimetric) | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 39 | 3.35 | 6.71 | 0.22 | 3.4 g/dL | 0.22 | 0.07 |
| 7 | CALCIUM | 5-Nitro-5-methyl-BAPTA | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 233 | 10.75 | 3.11 | 0.33 | 10.8 mg/dL | 0.15 | 0.04 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 229 | 5.52 | 3.17 | 0.18 | 5.4 mg/dL | -0.69 | 0.02 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 286 | 6.62 | 4.04 | 0.27 | 6.7 mg/dL | 0.30 | 0.03 |
| 10 | CHOLESTEROL | CHOD-PAP | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 298 | 120.22 | 4.08 | 4.90 | 120.6 mg/dL | 0.08 | 0.57 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 281 | 129.63 | 4.77 | 6.18 | 126.4 mg/dL | -0.52 | 0.74 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 283 | 22.77 | 5.70 | 1.30 | 22.6 mg/dL | -0.13 | 0.15 |
| 13 | AST | UV kinetic(with & without PLP (P-5-P)) | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 281 | 91.09 | 6.50 | 5.92 | 92.2 U/L | 0.19 | 0.71 |
| 14 | ALT | UV kinetic(with & without PLP (P-5-P)) | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 287 | 51.06 | 9.19 | 4.70 | 54.6 U/L | 0.75 | 0.55 |
| 15 | ALP | PNP AMP kinetic | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 288 | 146.80 | 6.73 | 9.87 | 147.1 U/L | 0.03 | 1.16 |
| 16 | AMYLASE | Enzymatic Colorimetric / G7PNP Blocked | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 172 | 143.93 | 3.55 | 5.12 | 140 U/L | -0.77 | 0.78 |
| 17 | MAGNESIUM | Xylidyl Blue | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 113 | 2.32 | 5.65 | 0.13 | 2.3 mg/dL | -0.15 | 0.02 |

| SDI Range | Interpretation |
|-----------------------|--|
| Within -1.00 to +1.00 | Excellent. |
| Within ±1.01 to ±2.00 | Good. |
| Within ±2.01 to ±2.99 | Accept with caution. Warning Signal. |
| Beyond ±3.0 | Unacceptable performance. Action Signal. |

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Homogeneity and Stability of the sample is passed.
 Data in CMC EQAS reports is confidential
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